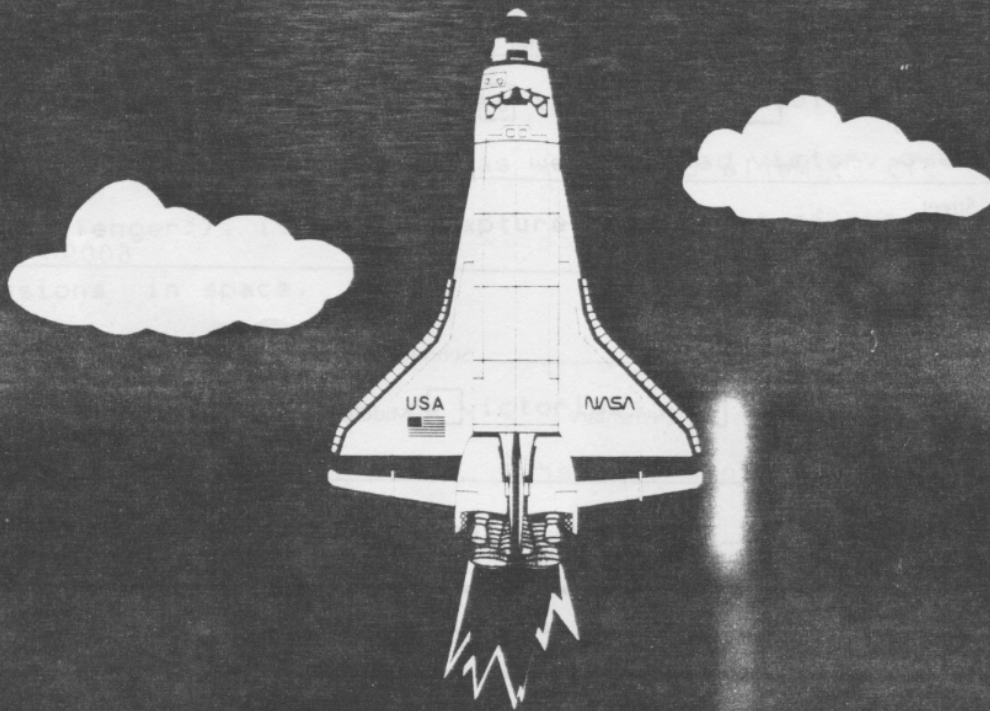


"Victoria"

Dec. 1988

Rosses

NAME THE NEW ORBITER



Positioning Wing on OV 105



Crew Compartment of
the New Orbiter OV 105



Forward Fuselage of OV 105

Program Entry Packet

NASA
National Aeronautics and
Space Administration

Program entries must be typed and submitted on this official Program Entry Packet.
School faculty members may duplicate this form and submit it as an official entry.

NASA Orbiter-Naming Program Entry Packet — Part I

Division of Entry (check appropriate box):



Division 1 (K-6)



Division 2 (7-12)

Team Coordinator

Name: Sanford Mary Ann
Last First M.I.

Full name of school: Mark Twain Elementary School



Public



Private



BIA



DODDS



DOS

School address: 515 E. Merle Lane

Street

Wheeling,

City

IL

State

60090

Zip

Home telephone: (312) 541-1020 School telephone: (312) 520-2785

Instruction level (check appropriate box): ☒ Elementary ☐ Middle ☐ Junior High ☐ High

Position on school faculty: classroom teacher

If teacher, Grade level(s): 3 Major subject(s): everything but P.E. and music

Student Team Members

State name and grade of all student team members:

Name	Grade	Name	Grade
<u>Tracy Roehrick</u>	<u>5</u>		
<u>David Ross</u>	<u>6</u>		
<u>Candace Macheca</u>	<u>4</u>		
<u>Christopher Lowery</u>	<u>6</u>		
<u>Erik Peterson</u>	<u>5</u>		

NASA Orbiter-Naming Program Entry Packet — Part II (20 points)

The name your team proposes for OV 105 is "VICTORIA"

Students must write a persuasive statement on the name proposed: The sea vessel after which it is named, how the name is appropriate for a spacecraft, and how it captures the spirit of America's mission in space.

We have chosen the name "Victoria" for OV 105 because of Magellan's ship of that name. It was the only one of his fleet to circumnavigate the globe in 1519. Because "Victoria" means "victory", as we have had victory over defeat ("Challenger"), it will recapture the spirit of our new missions in space.

"Victoria" will be victorious!

Our chapter advisors, Mr. and Mrs. Ross, met with us at our public library to begin our project because the team coordinator was not available on that weekend. They have also met with us after school (Mark Twain School in Wheeling, IL) many evenings to help us when the team coordinator was busy with the other group.

We used the Marit Encyclopedia, The Space Shuttle, Operator's Manual by Perry Mark Jolly & Gregory P. Kennedy, Space Shuttle by David Baker, and The Great Explorers of Pieter's Foundation.

NASA Orbiter-Naming Program Entry Packet — Part III (20 points)

Students must describe the team project, explaining how the project meets the following judging criteria: Relationship of the name proposed to the project and evidence of a team effort in problem-solving and decision-making. Note involvement of parents and community resources. Write captions for any visual representation and attach your photographs and/or printed matter. All materials must fit into a 9 1/2" x 12" envelope.

Our project consists of a map of Magellan's route around the world. We poked holes in the path of his route. The model representing his ship has a magnet on the back. When we show our project to the other children in the school, one of our team members is behind the map with another magnet. As our T.V. special (a video tape of "The Flight of the New Shuttle "Victoria") is shown, Magellan's ship "sails" along the path. The space shuttle "Victoria" orbits the earth in the same manner - a magnet on the back with someone pulling it along from behind the map.

We researched many names and their possible relationship to space travel. The name "Victoria" was chosen by unanimous vote.

Our chapter advisors, Mr. and Mrs. Ross, met with us at our public library to begin our project because the team coordinator was not available on that weekend. They have also met with us after school (Mark Twain School in Wheeling, IL) many evenings to help us when the team coordinator was busy with the other group.

We used the Merit Encyclopedia, The Space Shuttle Operator's Manual by Kerry Mark Joels & Gregory P. Kennedy, Space Shuttle by David Baker, and The Great Explorers by Piers Pennington.

Part III (continued)

"VICTORIA"

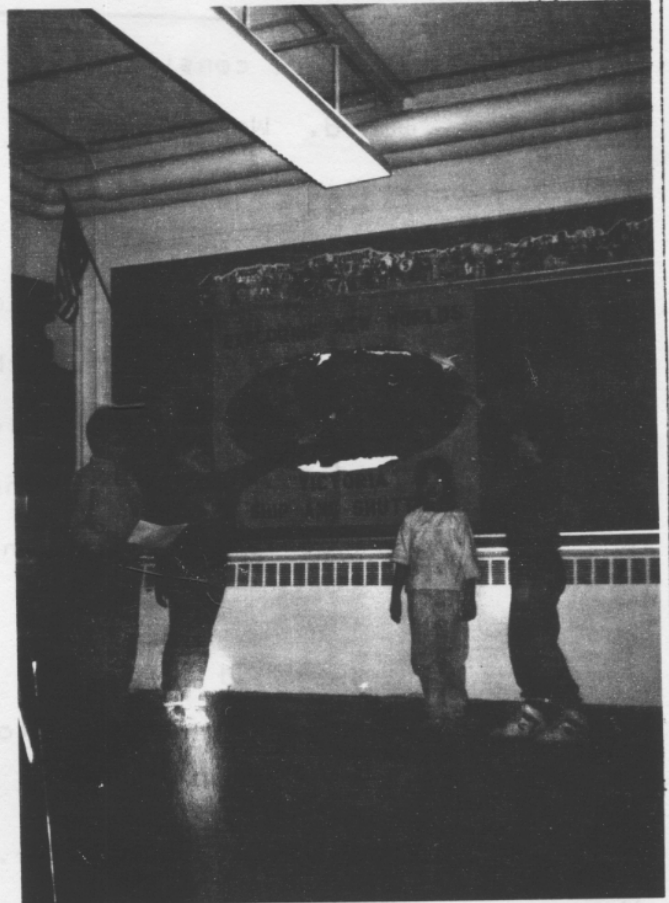
L to R

Tracy Roehrick Candace Macheca

David Ross

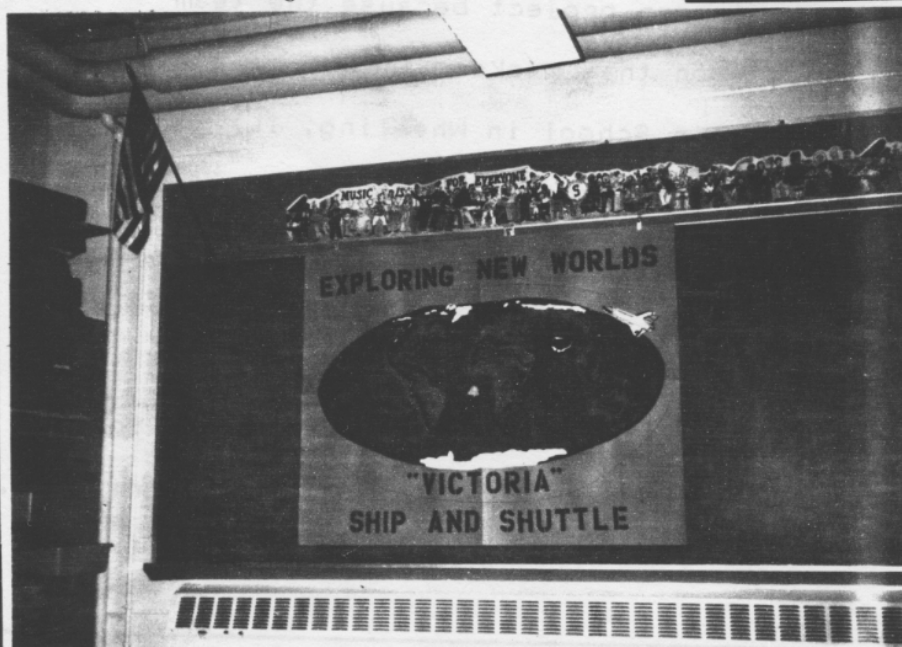
Chris Lowery

(ABS: Eric Peterson)



"VICTORIA"

Ship model and shuttle
are on magnets and
will move along their paths.



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The Flight of the New Shuttle "Victoria"

(a T.V. news special - reporting team: Candace Macheca, Erik Peterson, Tracy Roehrick, Chris Lowery, David Ross)

ANNOUNCER #1: We are in touch with NASA. The launch will be on schedule. (pause - voice off-camera) ...3, 2, 1 - LIFTOFF. (ANNOUNCER again) "Victoria" is victorious!! "Victoria" (shuttle begins "orbit" around map and makes one trip) is named after Magellan's ship of that name - the first to go around the world. Magellan left Spain on a westward route (ship begins voyage on map) to the Spice Islands with a crew of 234 men on 5 ships. They were "Victoria", (ANNOUNCER points to ship "sailing" along route) "Trinidad", "Conception", "Santiago", and "San Antonio".

Magellan had to take all kinds of supplies with him. His main defense supplies included cannons and cannonballs, gunpowder, arrows, crossbows, and knives. (pictures of these supplies on-camera as ANNOUNCER talks) Food, of course, was absolutely necessary, as there were no supermarkets along the way in those days. The food supplies mainly consisted of beans, peas, cheese, and fresh water in large casks, because they would die if they drank salty ocean water, salted meat, and biscuits.

The ships traveled to the southern tip of South America (model could be there waiting). It was there that Magellan discovered a waterway between the continent and islands to the south that could easily be navigated. This was Magellan's major discovery. The waterway, now called the "Straits of Magellan", is 350 miles long and 2 to 20 miles wide. He then continued his journey to the Spice Islands (ship moves along) where he was killed by natives. "Victoria", with a crew of 18 men, was the only ship to finish the voyage back to Spain. (small ship with magnet left on behind map stays at Spain; shuttle begins to orbit again)

ANNOUNCER #2: Our new space shuttle "Victoria" now orbits the earth in space as Magellan's ship of that name did so long ago on the sea.

"Victoria" carries no weapons. Instead it is armed with computers, air tanks, fresh water because none is available in space, and waste holders. (pictures of these things appear on-camera)

The main food supplies carried on the shuttle are more appetizing than those that Magellan was able to carry. This is due to dehydration. This process is the removal of water from food.

Also carried on the shuttle are ready-to-eat foods in foil packages. These foods have been treated by the process called "thermo-stabilization". Foods are heated to a temperature that kills the bacteria that causes spoilage. Then they are quick-sealed in foil.

Fresh foods that our astronauts will be able to enjoy may include hot dogs, beef, ham, chicken a la king with crushed pineapple. These foods can be heated in a convection oven in the galley.

For dessert there may be fruit cocktail, puddings, cookies, fresh fruit which has been thermo-stabilized, or perhaps freeze-dried ice cream.

Magellan's "Victoria" took three years to circle the globe. Our "Victoria" will accomplish the same feat in only 90 minutes.

"Victoria" has indeed been victorious!!

(CUT)



NASA Orbiter-Naming Program Entry Packet — Part IV (60 points)

The Team Coordinator and students must describe the team research and project, including a list of the learning goals of the project and how the project fits with curriculum objectives, a step-by-step outline of the project, how the activity was conducted, and an evaluation; the interdisciplinary nature of the project and its integration into other disciplines; and the educational value for the students participating in the project and for the project's potential as a model for future classroom and school activities.

Our project portraying Megellan's voyage around the world and how it relates to modern space travel was truly a team effort. Some team members researched the project while others put their efforts into a visual representation. All contibuted a part to the summary enactment.

The learning goals of our porject are to show that one of the first successful attempts to circumnavigate the world was attained by Megellan's ship "Victoria", and to relate this material to modern times and our expectations in space.

Our objectives are to show the differences and similarities of Megellan's sea voyage to modern space travel.

We outlined the project as follows:

1. researching the name
2. planning and building the project
3. relating to areas of study (presentation, i.e. news broadcast) (colored snapshots) (video, for in-school use only)

We began our project at the Indian Trails Public Library in Wheeling, IL, and continued working in school on our visual representation. We then put together our written material.

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VCTRIA4

Verification of Eligibility to Participate
in the NASA Orbiter-Naming Program

Applications that are not properly completed and signed by the school principal and Team Coordinator
as stipulated. The team effort and participation was outstanding.

signature of We achieved our goals. Participation in this
project has helped us to learn better study habits and lengthen our
typed name of Team Coordinator periods of concentration. It also contributed to our mind
development and artistic endeavor. It will help us to better
research future reports and related subjects. We gained knowledge
hereby certify that the Team Coordinator named above is a faculty member of the school named below
in geography and history and group interaction. and nondiscrimination statutes.

I also certify that I am the principal of said school.

Our project can be used to teach social studies
(history, map-and-globe skills, placement of continents), science,
and can be used as a guideline to portray historical dramas.

typed name of school principal

full name of school: Mark Twain Elementary School

Mail Completed Program Entry Packet to:

NASA Orbiter-Naming Program
Council of Chief State School Officers
400 North Capitol Street, NW, Suite 379
Washington, DC 20001

PROGRAM ENTRY PACKETS MUST BE POSTMARKED NO LATER THAN

(Do not type below this line. Continue on next page.)

NASA Orbiter-Naming Program Entry Packet — Part V

Verification of Eligibility to Participate in the NASA Orbiter-Naming Program

Applications that are not properly completed and signed by the school principal and Team Coordinator as stipulated below will be disqualified.

Signature of Team Coordinator: Mary Ann Sanford

Typed name of Team Coordinator: Mary Ann Sanford

I hereby certify that the Team Coordinator named above is a faculty member of the school listed below and that the school is in compliance with federal and state civil rights and nondiscrimination statutes. I also certify that I am the principal of said school.

Signature of school principal: Ralph Cook

Typed name of school principal: Ralph Cook

Full name of school: Mark Twain Elementary School

Mail Completed Program Entry Packet to:

NASA Orbiter-Naming Program
Council of Chief State School Officers
400 North Capitol Street, NW, Suite 379
Washington, DC 20001

**PROGRAM ENTRY PACKETS MUST BE POSTMARKED NO LATER THAN
DECEMBER 31, 1988**



This is to acknowledge that

David Pass

participated in the 1988
NASA Orbiter-Naming Program for
Orbiter Vehicle 105 and has
contributed significantly to expanding
the role of aerospace education in
the classroom.

Gordon M. Ambach

Gordon M. Ambach
Executive Director
Council of Chief State School Officers

James C. Fletcher

James C. Fletcher
Administrator
National Aeronautics and Space Administration

